



DaVinci Series

1600 Lumen Max 98 CRI Track Light



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The DaVinci Series features a high-CRI output and can accommodate numerous accessories. It allows the lighting designer to add glare reduction with louvers, barndoors, or snoots. The twist-lock TIR optics provide a smooth beam, including a tight 14° spot, and are easily field changeable.

Manufactured in the USA - IBEW



Electrical

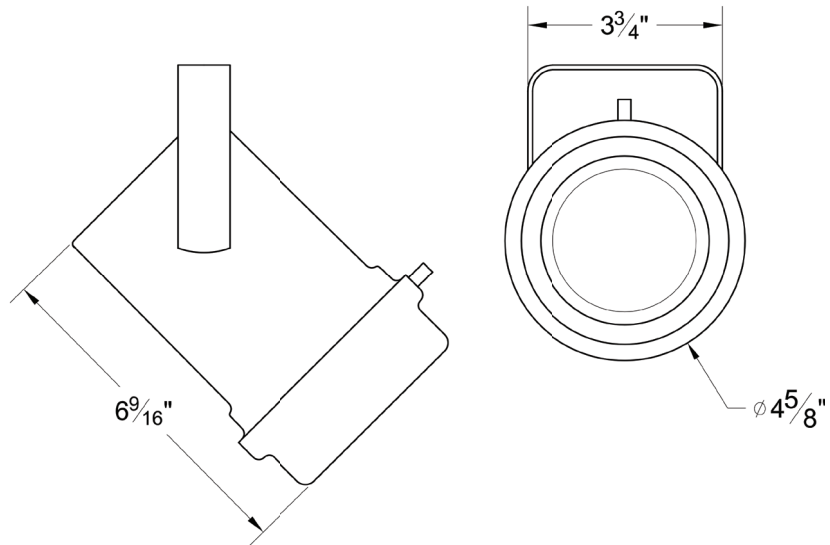
- Integral electronic driver
- 100-277V, 50/60Hz
- Meets FCC 47 CFR Part 15/18 Requirements

Construction

- Steel & aluminum housing with black, white or silver finish
- Accepts up to 3 accessories
- Weight: 3 lbs.

Dimming

- Trailing edge (ELV): 120V only
- Leading edge (Triac): 120V only
- 0-10V: 120 or 277 ControlTrac or Canopy Mount Only
- Lutron: Consult Factory for details.



LED

- Cree XLamp LED array
- Color temp options: 2700K, 3000K
- CRI: 98 CRI
- Lumen maintenance: 90% of initial lumen output at 33,000 hours on LM-80 testing
- No UV or IR

Model	CRI	Total Wattage	Delivered Lumens	Efficacy (Lm/W)
DV8	98	8.2	800	98
DV10	98	10.0	1000	100
DV12	98	11.5	1200	104
DV14	98	13.2	1400	106
DV16	98	15.5	1600	103

* Total wattage equals LED plus driver. Delivered lumen may vary depending on LED module, color temperature, optics, and accessories. Testing done with 3000K LED array.

Optics

- 14°, 16°, 25°, and 35° Field-changeable TIR optics

Ordering Matrix

Model	Lumens	CRI	Color Temp	Finish	Voltage	Optics	Mounting	Dimming*	Accessories
DV	8 = 800 10 = 1000 12 = 1200 14 = 1400 16 = 1600	80 92	27 = 2700K 30 = 3000K	B = Black W = White S = Silver CC = Custom Color	120 240 277	14 = Real Spot 16 = Smooth Spot 25 = Narrow Flood 35 = Medium Flood	See Mounting Options	TE = Trailing Edge LE = Leading Edge 010 = 0-10V ND = Non-Dimming	See Accessory Options

Maximum ambient temperature: 35°C
Maximum operating angle: 45° from vertical

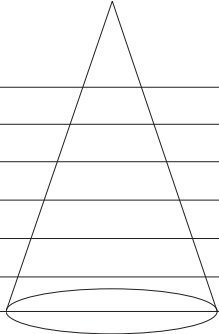
* See "Notes on Dimming" on reverse

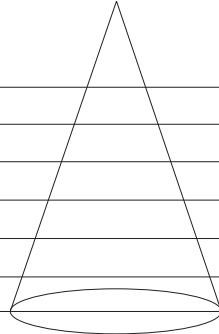
Example: DV-8-80-27-B-120-20-NI3-TE-LV3

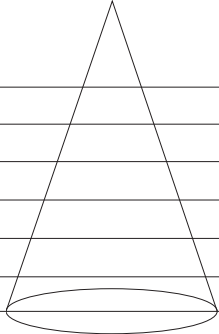
DV - - - - -

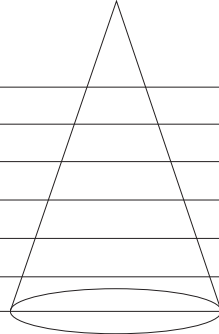
* Specification sheets are subject to change without notice.

Photometrics

Distance	14° TIR Beam Spread	Footcandles				
		DV8	DV10	DV12	DV14	DV16
5'		277	345	414	497	552
7.5'		124	153	184	221	245
10'		69	86	104	124	138
12.5'		44	55	66	79	88
15'		32	38	46	55	61
17.5'		23	28	34	41	45
20'		18	21	26	32	35

Distance	16° TIR Beam Spread	Footcandles				
		DV8	DV10	DV12	DV14	DV16
5'		223	279	335	401	446
7.5'		99	124	149	178	198
10'		56	70	84	101	112
12.5'		36	44	53	64	71
15'		25	32	38	45	50
17.5'		18	23	27	32	36
20'		14	18	21	25	28

Distance	25° TIR Beam Spread	Footcandles				
		DV8	DV10	DV12	DV14	DV16
5'		134	168	201	241	268
7.5'		60	74	89	107	119
10'		34	42	50	60	67
12.5'		22	27	32	39	43
15'		15	19	23	27	30
17.5'		11	14	17	20	22
20'		9	11	13	15	17

Distance	35° TIR Beam Spread	Footcandles				
		DV8	DV10	DV12	DV14	DV16
5'		53	66	80	95	106
7.5'		24	29	35	42	47
10'		14	17	20	24	27
12.5'		9	11	13	15	17
15'		6	8	9	11	12
17.5'		5	6	7	8	9
20'		3	4	5	6	7

Mounting Options

TI Track Adapter for commercial grade 1 & 2 circuit track. 120V. For use with larger, heavier fixtures.

TAI Track adapter for E-Series specification grade track. 1 circuit. 120V.

TA2 Track adapter for G-Series specification grade 2-circuit track. 120V.

HTA2 Track adapter for G-Series specification grade 2-circuit track. 277V.

STA 2 circuit track adapter for Data Bus. Specification grade track. 120V.

TA3 Track adapter for G-Series specification grade 3-circuit track. 120V.

CM4 Canopy Mount

US1 6 $\frac{5}{8}$ " x 1 $\frac{1}{2}$ " Unitrut Adapter

TB8 8" x 8" Portable table base for floor and table use

MC Light duty pipe clamp for small fixtures. For pipes up to 1 $\frac{5}{16}$ " O.D.

MN Medium duty pipe clamp for small to large fixtures. For pipes up to 2" O.D.

PC9M Heavy duty pipe clamp for large, heavy fixtures. For pipes up to 2" O.D.

Accessories

LV6	Louwer
XL6	Cross Baffle Louwer
BD10	Barndoor
HD6	Hood
XH6	Cross Baffle Hood
SH6	Sparkle Hood
CF10	Color Frame
GF10	Glass Color Filter
DF10	Dichroic Color Filter
GF10-600	5°x50° Linear Lens
GF10-601	Beam Softener
GF10-673	50°x50° Spread Lens
GF10-702	UV Blocking Filter
CC18	Coiled Cord
SC-24	Safety Cable
IP	Integral Dimmer
WL	Wrench Locking

Extension Wands

SP 12	12" Stem
SP 18	18" Stem
SP 24	24" Stem
SP X	Custom Length

Notes on Dimming:

TE	This means the fixture will work on <i>MOST</i> quality Trailing Edge dimmers. These dimmer types are also known as Reverse Phase or Electronic Low Voltage (ELV), and are available as wall mount and rack mount modules.
LE	This means the fixture will work on <i>MOST</i> quality Leading Edge dimmers. These dimmer types are also known as Forward Phase, Incandescent, Halogen or Triac, and are available as wall mount and rack mount modules.
0-10	This means the fixture will work on <i>MOST</i> quality 0-10V or 1-10V dimmers. These dimmer types are also known as Fluorescent, and are available as wall mount and rack mount modules.
IP	This means the fixture has a dimmer <i>BUILT IN</i> to the fixture itself, and will dim to about 50%. It has an integral potentiometer located on the bottom of the driver housing. This fixture <i>WILL NOT</i> function with <i>EXTERNAL</i> wall or rack dimmers.

It is impractical to test every fixture type with every dimmer type, and some combinations work better than others, while some not at all.

It is advisable to pretest a particular fixture with an intended dimmer beforehand to insure that the combination will work as expected.

Some dimmers will allow for full-range dimming, while others will only dim to 50%.

Some dimmers will work well within a certain range, and perhaps flicker or shut off at the lowest settings, rendering that portion of the range unusable.

Most if not all dimmers have a maximum LED load that can be applied, often as little as 10% of its nominally rated value.

Dimming LEDs can actually extend their life expectancy, and will not affect the color temperature or CRI.